

## Refine Search

### Search Results -

Terms	Documents
character edge same (white near2 extract\$5) same color	0

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:

L22

Refine Search

Recall Text

Clear

Interrupt

### Search History

DATE: Thursday, April 08, 2004    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
side by side			
<i>DB=PGPB,USPT,EPAB,JPAB; PLUR=YES; OP=ADJ</i>			
<u>L1</u>	(character near1 edge) same (identif\$9 or recogn\$7) same white	37	<u>L1</u>
<u>L2</u>	L1 same (compar\$6 or match\$3 or correlat\$5 or collat\$4)	12	<u>L2</u>
<u>L3</u>	edge character same (area or region) same white same correct\$5	3	<u>L3</u>
<u>L4</u>	(edge near1 character) same (area or region) same white same correct\$5	9	<u>L4</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L5</u>	(character near1 edge) same white same color	25	<u>L5</u>
<u>L6</u>	(character near1 edge) same (white near1 pattern)	0	<u>L6</u>
<u>L7</u>	(separat\$5 with character with edge with (white or background))	11	<u>L7</u>
<u>L8</u>	(white or backround) same (character near1 edge) same (compar\$6 or match\$3)	22	<u>L8</u>
<u>L9</u>	L8 same (color or rgb)	2	<u>L9</u>
<u>L10</u>	(character near1 edge) same white same level same image	21	<u>L10</u>
<u>L11</u>	L10 same (compar\$6 or match\$3 or correlat\$5 or collat\$4)	1	<u>L11</u>

<u>L12</u>	L10 same (color or rgb)	3	<u>L12</u>
<u>L13</u>	white edge and mariam	3	<u>L13</u>
<u>L14</u>	obtainement and mariam	0	<u>L14</u>
<u>L15</u>	white region and mariam	3	<u>L15</u>
<u>L16</u>	character edge with (identif\$9 or recogn\$6)	35	<u>L16</u>
<u>L17</u>	L16 same (background or white)	7	<u>L17</u>
<u>L18</u>	(predetermined near3 pixel near3 match\$3) same (edge near2 character) same (white or background)	0	<u>L18</u>
<u>L19</u>	match\$3 same (edge near2 character) same (white or background)	14	<u>L19</u>
<u>L20</u>	5148495.pn.	1	<u>L20</u>
<u>L21</u>	(character near2 edge) with (surround\$3 or enclos\$5 or white or background) with (separat\$5 or distinguish\$5 or discriminat\$5)	19	<u>L21</u>
<u>L22</u>	character edge same (white near2 extract\$5) same color	0	<u>L22</u>

END OF SEARCH HISTORY



**Web** [Images](#) [Groups](#) [News](#) [Froogle](#)<sup>New!</sup> [more »](#)

character edge and white background and matching

[Advanced Search](#)  
[Preferences](#)  
[Language Tools](#)

[Google Search](#)

[I'm Feeling Lucky](#)

New! See the latest ways to get more from [Google](#).

[Advertising Solutions](#) - [Business Solutions](#) - [About Google](#)

[Make Google Your Homepage!](#)

©2004 Google - Searching 4,285,199,774 web pages



Web Images Groups News Froogle<sup>New!</sup> more »

character edge and white background and ma

Search

Advanced Search  
Preferences

The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

**Web** Results 1 - 10 of about **41,000** for **character edge and white background and matching**. (0.18 seconds)

### [\[PDF\] dvMP 1.5 for After Effects](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... 18 This remaps the foreground to the **background white** point. ... **Edge Work dvMP 1.5**  
for After Effects 28 This is a soft wash of light around our **character**. ...

216.127.92.202/samples/dvmatteae/ dvMP\_AE15\_Tutorial.pdf - [Similar pages](#)

### [Cascading Style Sheets, level 1](#)

... tags about the content (ie the initial **character**), while the ... color: **white; background:**  
blue; /\* so text is **white** on blue ... the right of the left outer **edge** of any ...

www.w3.org/TR/REC-CSS1 - 101k - [Cached](#) - [Similar pages](#)

### [\[PDF\] Chinese Optical Character Recognition for Information Extraction ...](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... like ET The area between the **edge** and the second deviation from black pixel to  
**white** pixel is ... contain Chinese Characters only For **character** segmentation we ...

www.cse.cuhk.edu.hk/~king/PUB/CISST00.pdf - [Similar pages](#)

### [Sass Brown Designs](#)

... and yellow, with gold trim around the pendant's **edge**. ... painted with a bold black **character**  
(the symbol ... red blossom outlined in gold, all on a **white background**. ...

www.sassbrown.com/sb/designs/asian.cfm - 16k - [Cached](#) - [Similar pages](#)

### [\[PDF\] Multilevel Character Templates for Document Image Decoding](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... by the intuition that pixels in a **character** image are ... black, depending on their distance  
from an **edge**. ... both "write-black" and "write-white" levels, and ...

www2.parc.com/istl/members/kopec/ spie-97-multilevel.pdf - [Similar pages](#)

### [\[PDF\] License plate recognition system](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... detection and identification of an **edge** of the ... 9. Interpretation of results The **character**  
recognition rate ... image and in particular the **white background** of the ...

www.manukau.ac.nz/departments/e\_e/research/2002/dc.pdf - [Similar pages](#)

### [Looney Tunes Plates and Bowls](#)

... 1998, Gibson 3 Piece Kids Sets, Gibson, **White** ceramic bowl, plate and mug with  
a colored stripe around the **edge** and one **character** on all three pieces. ...

www.geocities.com/TelevisionCity/Set/8681/plates.html - 36k - [Cached](#) - [Similar pages](#)

### [Publication 25 Chapter 3](#)

... degrees relative to the bottom **edge** of the ... and splatter (extraneous ink outside **character**  
boundaries) can ... Although a **white background** is preferred, pastels and ...

pe.usps.gov/text/Pub25/Pub25ch3.htm - 20k - [Cached](#) - [Similar pages](#)

### [Using Edge Detection in Machine Vision Gauging Applications ...](#)

... methods such as image correlation and pattern **matching**. ... needle is black with a **white**  
**background**, the line ... Overall, **edge** detection and line profiling are very ...

zone.ni.com/ devzone/conceptd.nsf/0/0a1013a74604ee0786256869007ae88e?OpenDocument - 61k - [Cached](#) -

[Similar pages](#)

### Research Topics

... and portions of the **background** (ie **white** area) regions ... of identifying and grouping of **character** strings in ... Document Page Layout Analysis using **Edge** Information. ...  
[www.comp.nus.edu.sg/labs/chime/da/project.html](http://www.comp.nus.edu.sg/labs/chime/da/project.html) - 42k - [Cached](#) - [Similar pages](#)

Goooooooooooooogle ►

Result Page:    [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#)    **Next**

[Search within results](#) | [Language Tools](#) | [Search Tips](#) | [Dissatisfied? Help us improve](#)

[Google Home](#) - [Advertising Solutions](#) - [Business Solutions](#) - [About Google](#)

©2004 Google



Web Images Groups News Froogle<sup>New!</sup> [more »](#)

character edge and white background and ma

Search

[Advanced Search](#)  
[Preferences](#)

The "AND" operator is unnecessary -- we include all search terms by default. [\[details\]](#)

**Web** Results 11 - 20 of about 41,000 for **character edge and white background and matching**. (0.14 second

### JEEP Clothing On The **Edge** : just-style.com Press Release

... design; the JEEP version is dark blue against a **white background**. ... blue, ink-blue, mud-brown, beige and wintery **white** emphasise the **character** of this ...

[www.just-style.com/press\\_releases\\_detail.asp?art=1022](http://www.just-style.com/press_releases_detail.asp?art=1022) - 46k - [Cached](#) - [Similar pages](#)

### Emacs Display

... of lines that extend beyond the right **edge** of the ... When multiple overlays cover one **character**, an overlay with ... by stipple patterns on black-and-**white** screens. ...

[www.zvon.org/other/elisp/Output/SEC618.html](http://www.zvon.org/other/elisp/Output/SEC618.html) - 101k - [Cached](#) - [Similar pages](#)

### China, Porcelain in Annabelle's Antiques, Collectibles & Stuff

... **White** china plate has scalloped **edge** with gold ... Considered, Royal Doulton North American Indian Toby Jug China, Porcelain:Royal Doulton:**Character** Jug:Toby Jug ...

[www.rubylane.com/shops/annabelles/llist/?cs=China,,+Porcelain,id=3.html](http://www.rubylane.com/shops/annabelles/llist/?cs=China,,+Porcelain,id=3.html) - 40k - [Cached](#) - [Similar pages](#)

### China, Porcelain in Annabelle's Antiques, Collectibles & Stuff

... This is a miniature **Character** Jug made by the Royal ... grayish green flowered border and gold **edge** with a ... Cordell pattern which has a **white background** and border ...

[www.rubylane.com/shops/annabelles/llist/?cs=China,,+Porcelain,id=5.html](http://www.rubylane.com/shops/annabelles/llist/?cs=China,,+Porcelain,id=5.html) - 40k - [Cached](#) - [Similar pages](#)

[ [More results from www.rubylane.com](http://www.rubylane.com) ]

### 3 where Phrases

... the sake of readability, the black on **white** view was ... and often right-justified on the right **edge** of the ... **Character** data, like ename, is left-aligned but, for ...

[www.kx.com/document/old-manuals/introkdb/IntroKdb.book-3.htm](http://www.kx.com/document/old-manuals/introkdb/IntroKdb.book-3.htm) - 34k - [Cached](#) - [Similar pages](#)

### [PDF] Introduction

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... selected frame For extraction of vertical **edge** fea tures ... resolution is insu cient for robust **character** recogni tion ... high intensity values such as **white** pix els ...

[www.informedia.cs.cmu.edu/documents/vocr\\_ieee98.pdf](http://www.informedia.cs.cmu.edu/documents/vocr_ieee98.pdf) - [Similar pages](#)

### Appendix H. Index

... **character** encoding, 1. 'definition-src' (descriptor), 1; descendant ... padding **edge**, 1; 'padding', 1; 'padding-bottom', 1; ... western-decimal, 1; '**white-space**', 1; 'widows' ...

[www.w3.org/TR/1998/PR-CSS2-19980324/indexlist.html](http://www.w3.org/TR/1998/PR-CSS2-19980324/indexlist.html) - 81k - [Cached](#) - [Similar pages](#)

[ [More results from www.w3.org](http://www.w3.org) ]

### Wildfowl Carving Magazine - Fall '03 Article

... of the artist add to the **character** and overall ... To create this translucence, use **white** paint and stencil the ... a stencil (anything with a straight **edge**) and the ...

[www.wildfowl-carving.com/Fall2003/article2.htm](http://www.wildfowl-carving.com/Fall2003/article2.htm) - 18k - [Cached](#) - [Similar pages](#)

### Tool for Generating Cross-Browser JavaScript that Sets CSS1 ...

... You drop the hyphens and change each **character** after a hyphen to ... SPAN STYLE="color:**white**; **background-color:black**"> **white** on black to right **edge** of page ...

[www.mozilla.org/docs/web-developer/css1technote/css1tojs.html](http://www.mozilla.org/docs/web-developer/css1technote/css1tojs.html) - 93k - [Cached](#) - [Similar pages](#)

[PDF] [Author Guidelines for 8](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... 1994 [7] JM **White**, and GD Rohrer ... and Other Applications Requiring **Character** Image  
Extraction ... of Medical Images Using Multiscale **Edge** Representation," Optical ...  
[www.comp.nus.edu.sg/labs/chime/da/paperdownload/cao01icip.pdf](http://www.comp.nus.edu.sg/labs/chime/da/paperdownload/cao01icip.pdf) - [Similar pages](#)

[ [More results from www.comp.nus.edu.sg](#) ]

◀ Goooooooooooooogle ▶

Result Page: [Previous](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [Next](#)

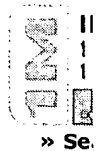
[Search within results](#) | [Language Tools](#) | [Search Tips](#)

[Google Home](#) - [Advertising Solutions](#) - [Business Solutions](#) - [About Google](#)

©2004 Google



Welcome  
United States Patent and Trademark Office



[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)

## Quick Links

**Welcome to IEEE Xplore®**

- Home
- What Can I Access?
- Log-out

## Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

## Search

- ☐ By Author  
☐ Basic  
☐ Advanced

## Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

Your search matched **55** of **1022101** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

### Refine This Search:

You may refine your search by editing the current search expression or entering new one in the text box.

(character or image or picture) <paragraph> (background)

Search

☐ Check to search within this result set

### Results Key:

**JNL** = Journal or Magazine    **CNF** = Conference    **STD** = Standard

## 1 Image processing of underwater multispectral imagery

*Zawada, D.G.;*

Oceanic Engineering, IEEE Journal of , Volume: 28 , Issue: 4 , Oct. 2003

Pages: 583 - 594

[\[Abstract\]](#) [\[PDF Full-Text \(1233 KB\)\]](#) **IEEE JNL**

## 2 Statistical edge detection: learning and evaluating edge cues

Konishi, S.; Yuille, A.L.; Coughlan, J.M.; Song Chun Zhu;

Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 25 , Issue: 1 , Jan. 2003

Pages:57 - 74

[\[Abstract\]](#) [\[PDF Full-Text \(2145 KB\)\]](#) **IEEE JNL**

### 3 Segmentation and tracking of migrating cells in videomicroscopy with parametric active contours: a tool for cell-based drug testing

Zimmer, C.; Labruyere, E.; Meas-Yedid, V.; Guillen, N.; Olivo-Marin, J.-C.;

Medical Imaging, IEEE Transactions on , Volume: 21 , Issue: 10 , Oct. 2002  
Pages:1212 - 1221

[\[Abstract\]](#)   [\[PDF Full-Text \(783 KB\)\]](#)   **IEEE JNL**

#### 4 Unsupervised multiresolution segmentation for images with low depth field

Wang, J.Z.; Jia Li; Gray, R.M.; Wiederhold, G.;

Pattern Analysis and Machine Intelligence, IEEE Transactions on , Volume: 23 , Issue: 1 , Jan. 2001

Pages:85 - 90



[\[Abstract\]](#) [\[PDF Full-Text \(2100 KB\)\]](#) IEEE JNL

### 5 Lane detection by orientation and length discrimination

*Lai, A.H.S.; Yung, N.H.C.;*

Systems, Man and Cybernetics, Part B, IEEE Transactions on , Volume: 30 , I  
4 , Aug. 2000

Pages:539 - 548

[\[Abstract\]](#) [\[PDF Full-Text \(764 KB\)\]](#) IEEE JNL

### 6 Wavelet-domain filtering for photon imaging systems

*Nowak, R.D.; Baraniuk, R.G.;*

Image Processing, IEEE Transactions on , Volume: 8 , Issue: 5 , May 1999

Pages:666 - 678

[\[Abstract\]](#) [\[PDF Full-Text \(728 KB\)\]](#) IEEE JNL

### 7 Automatic background recognition and removal (ABRR) in compute radiography images

*Zhang, J.; Huang, H.K.;*

Medical Imaging, IEEE Transactions on , Volume: 16 , Issue: 6 , Dec. 1997

Pages:762 - 771

[\[Abstract\]](#) [\[PDF Full-Text \(224 KB\)\]](#) IEEE JNL

### 8 Adaptive LMS L-filters for noise suppression in images

*Kotropoulos, C.; Pitas, I.;*

Image Processing, IEEE Transactions on , Volume: 5 , Issue: 12 , Dec. 1996

Pages:1596 - 1609

[\[Abstract\]](#) [\[PDF Full-Text \(2572 KB\)\]](#) IEEE JNL

### 9 A perceptually motivated three-component image model-part II: applications to image compression

*Ran, X.; Farvardin, N.;*

Image Processing, IEEE Transactions on , Volume: 4 , Issue: 4 , April 1995

Pages:430 - 447

[\[Abstract\]](#) [\[PDF Full-Text \(1976 KB\)\]](#) IEEE JNL

### 10 A neural network based image compression system

*Lu, C.-C.; Shin, Y.H.;*

Consumer Electronics, IEEE Transactions on , Volume: 38 , Issue: 1 , Feb. 19

Pages:25 - 29

[\[Abstract\]](#) [\[PDF Full-Text \(364 KB\)\]](#) IEEE JNL

### 11 Singularity detection and processing with wavelets

*Mallat, S.; Hwang, W.L.;*

Information Theory, IEEE Transactions on , Volume: 38 , Issue: 2 , March 19

Pages:617 - 643

[\[Abstract\]](#) [\[PDF Full-Text \(2448 KB\)\]](#) IEEE JNL

---

**12 Teaching network connectivity using simulated annealing on a massively parallel processor**

*Wilson, S.S.;*

Proceedings of the IEEE , Volume: 79 , Issue: 4 , April 1991

Pages:559 - 566

[\[Abstract\]](#)   [\[PDF Full-Text \(812 KB\)\]](#)   IEEE JNL

---

**13 Segmentation of uniform-coloured text from colour graphics background**

*Suen, H.-M.; Wang, J.-F.;*

Vision, Image and Signal Processing, IEE Proceedings- , Volume: 144 , Issue: 6 , Dec. 1997

Pages:317 - 322

[\[Abstract\]](#)   [\[PDF Full-Text \(724 KB\)\]](#)   IEE JNL

---

**14 Biological investigation using scanning probe recognition microscop**

*Qian Chen; Ayres, V.; Udpa, L.;*

Nanotechnology, 2003. IEEE-NANO 2003. 2003 Third IEEE Conference on , Volume: 2 , 12-14 Aug. 2003

Pages:863 - 865 vol. 2

[\[Abstract\]](#)   [\[PDF Full-Text \(418 KB\)\]](#)   IEEE CNF

---

**15 Robust cephalometric landmark identification using support vector machines**

*Chakrabartty, S.; Yagi, M.; Shibata, T.; Cauwenberghs, G.;*

Acoustics, Speech, and Signal Processing, 2003. Proceedings. (ICASSP '03). 2003 IEEE International Conference on , Volume: 2 , 6-10 April 2003

Pages:II - 825-8 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(341 KB\)\]](#)   IEEE CNF

---

[1](#)   [2](#)   [3](#)   [4](#)   [Next](#)

---

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#) | [Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#) | [No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2004 IEEE — All rights reserved